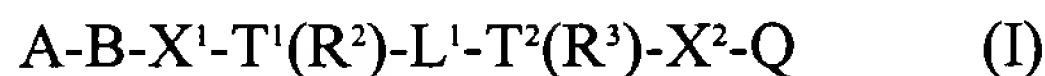


**IN THE CLAIMS:**

Claim 1 (**currently amended**): A compound of formula (I)



wherein:

A is a 5- or 6-membered monocyclic aromatic ring containing 1, 2 or 3 ring heteroatoms selected from nitrogen, ~~oxygen and sulphur atoms~~ optionally substituted by one, two or three atoms or groups selected from halo, oxo, carboxy, trifluoromethyl, cyano, amino, hydroxy, nitro, C<sub>1-4</sub>alkyl (~~for example methyl or ethyl~~), C<sub>1-4</sub>alkoxy (~~for example methoxy or ethoxy~~), C<sub>1-4</sub>alkoxycarbonyl, C<sub>1-4</sub>alkylamino (~~for example methylamino or ethylamino~~) or di-C<sub>1-4</sub>alkylamino (~~for example dimethylamino or diethylamino~~);

B is a phenylene ring optionally substituted by one or two substituents selected from halo, trifluoromethyl, trifluoromethoxy, cyano, nitro, C<sub>1-4</sub>alkyl, C<sub>2-4</sub>alkenyl and C<sub>2-4</sub>alkynyl, from the substituent -(CH<sub>2</sub>)<sub>n</sub> Y<sup>1</sup> wherein n is 0-4 and Y<sup>1</sup> is selected from hydroxy, amino, carboxy, C<sub>1-4</sub>alkoxy, C<sub>2-4</sub>alkenyloxy, C<sub>2-4</sub>alkynyloxy, C<sub>1-4</sub>alkylamino, di-C<sub>1-4</sub>alkylamino, pyrrolidin-1-yl, piperidino, morpholino, thiomorpholino, 1-oxothiomorpholino, 1,1-dioxothiomorpholino, piperazin-1-yl, 4-C<sub>1-4</sub>alkylpiperazin-1-yl, C<sub>1-4</sub>alkylthio, C<sub>1-4</sub>alkylsulphinyl, C<sub>1-4</sub>alkylsulphonyl, C<sub>2-4</sub>alkanoylamino, benzamido, C<sub>1-4</sub>alkylsulphonamido and phenylsulphonamido, from the substituent -(CH<sub>2</sub>)<sub>n</sub> Y<sup>2</sup> wherein n is 0-4 and Y<sup>2</sup> is selected from carboxy, carbamoyl, C<sub>1-4</sub>alkoxycarbonyl, N-C<sub>1-4</sub>alkylcarbamoyl, N,N-di-C<sub>1-4</sub>alkylcarbamoyl, pyrrolidin-1-ylcarbonyl, piperidinocarbonyl, morpholinocarbonyl, thiomorpholinocarbonyl, 1-oxothiomorpholinocarbonyl, 1,1-dioxothiomorpholinocarbonyl, piperazin-1-ylcarbonyl, 4-C<sub>1-4</sub>alkylpiperazin-1-ylcarbonyl, C<sub>1-4</sub>alkylsulphonamidocarbonyl, phenylsulphonamidocarbonyl and benzylsulphonamidocarbonyl, from a substituent of the formula -X<sup>3</sup>-L<sup>2</sup>-Y<sup>2</sup> wherein X<sup>3</sup> is a group of the formula CON(R<sup>5</sup>), CON(L<sup>2</sup>-Y<sup>2</sup>), C(R<sup>5</sup>)<sub>2</sub>O, O, N(R<sup>5</sup>) or N(L<sup>2</sup>-Y<sup>2</sup>), L<sup>2</sup> is C<sub>1-4</sub>alkylene, Y<sup>2</sup> has any of the

meanings defined immediately hereinbefore and each  $R^5$  is independently hydrogen or  $C_{1-4}$ alkyl, and

from a substituent of the formula  $-X^3-L^3-Y^1$  wherein  $X^3$  is a group of the formula  $CON(R^5)$ ,  $CON(L^3-Y^1)$ ,  $C(R^5)_2O$ ,  $O$ ,  $N(R^5)$  or  $N(L^3-Y^1)$ ,  $L^3$  is  $C_{2-4}$ alkylene,  $Y^1$  has any of the meanings defined immediately hereinbefore and each  $R^5$  is independently hydrogen or  $C_{1-4}$ alkyl,

and wherein any heterocyclic group in a substituent of B optionally bears 1 or 2 substituents selected from carboxy, carbamoyl,  $C_{1-4}$ alkyl,  $C_{1-4}$ alkoxycarbonyl,  $N$ - $C_{1-4}$ alkylcarbamoyl and  $N,N$ -di- $C_{1-4}$ alkylcarbamoyl,

and wherein any phenyl group in a substituent of B optionally bears 1 or 2 substituents selected from halo, trifluoromethyl, cyano,  $C_{1-4}$ alkyl,  $C_{2-4}$ alkenyl,  $C_{2-4}$ alkynyl,  $C_{1-4}$ alkoxy,  $C_{2-4}$ alkenyloxy and  $C_{2-4}$ alkynyloxy;

$T^1$  and  $T^2$  are N,  $L^1$  is ethylene, and  $R^2$  and  $R^3$  are joined to form an ethylene such that  $R^2$  and  $R^3$ , together with  $T^1$  and  $T^2$  and  $L^1$ , form a piperazine ring; is ~~CH or N;~~

~~$T^2$  is CH or N;~~

~~with the proviso that at least one of  $T^1$  and  $T^2$  is N and wherein the heterocyclic ring formed by  $T^1$ ,  $T^2$ ,  $L^1$ ,  $R^2$  and  $R^3$  is optionally substituted by one or two substituents selected from hydroxy, oxo, carboxy and  $C_{1-4}$ alkoxycarbonyl; or one of the following:~~

~~$-(CH_2)_n-R$ ,  $-(CH_2)_n-NRR^1$ ,  $-CO-R$ ,  $-CO-NRR^1$ ,  $-(CH_2)_n-CO-R$  and  $-(CH_2)_n-CO-NRR^1$ ;~~

~~wherein n is 0, 1 or 2, preferably n is 1 or 2;~~

~~R and  $R^1$  are independently selected from hydrogen,  $C_{1-4}$ alkyl,  $C_{2-4}$ alkenyl,  $C_{2-4}$ alkynyl, hydroxy $C_{1-4}$ alkyl, carboxy $C_{1-4}$ alkyl and  $C_{1-4}$ alkoxycarbonyl $C_{1-4}$ alkyl or where possible R and  $R^1$  may together form a 5- or 6-membered optionally substituted saturated or partially unsaturated (preferably saturated) heterocyclic ring which may include in addition to the nitrogen to which R and  $R^1$  are attached 1 or 2 additional heteroatoms selected from nitrogen, oxygen and sulphur;~~

~~$X^1$  is SO,  $SO_2$ ,  $C(R^4)_2$  or  $CO_2$  when  $T^1$  is CH or N; or in addition  $X^1$  is O or S when  $T^1$  is CH; and wherein each  $R^4$  is independently hydrogen or  $C_{1-4}$ alkyl;~~

~~$L^1$  is  $C_{1-4}$ alkylene or  $C_{1-3}$ alkylenecarbonyl;~~

~~$R^2$  is hydrogen or  $C_{1-4}$ alkyl;~~

~~R<sup>3</sup> is hydrogen or C<sub>1-4</sub>alkyl;~~  
~~or R<sup>2</sup> and R<sup>3</sup> are joined to form a C<sub>1-4</sub>alkylene or CH<sub>2</sub>CO group; wherein the ring formed by~~  
~~T<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, T<sup>2</sup> and L<sup>1</sup> is optionally substituted; with the proviso that when T<sup>1</sup> and T<sup>2</sup> are~~  
~~both N, L<sup>1</sup> is not methylene and R<sup>2</sup> and R<sup>3</sup> together are not methylene;~~  
 X<sup>2</sup> is S(O)<sub>y</sub> wherein y is one or two, C(R<sup>5</sup>)<sub>2</sub> or CO; and each R<sup>5</sup> is hydrogen or C<sub>1-4</sub>alkyl;  
 Q is phenyl, naphthyl, phenylC<sub>1-4</sub>alkyl, phenylC<sub>2-4</sub>alkenyl, phenylC<sub>2-4</sub>alkynyl or a heterocyclic  
 moiety containing up to 4 heteroatoms selected from nitrogen, oxygen and sulphur  
 and Q is optionally substituted by one, two or three substituents selected from halo,  
 trifluoromethyl, trifluoromethoxy, cyano, hydroxy, amino, nitro,  
 trifluoromethylsulphonyl, carboxy, carbamoyl, C<sub>1-4</sub>alkyl, C<sub>2-4</sub>alkenyl, C<sub>2-4</sub>alkynyl,  
 C<sub>1-4</sub>alkoxy, C<sub>2-4</sub>alkenyloxy, C<sub>2-4</sub>alkynyloxy, C<sub>1-4</sub>alkylthio, C<sub>1-4</sub>alkylsulphinyl,  
 C<sub>1-4</sub>alkylsulphonyl, C<sub>1-4</sub>alkylamino, di-C<sub>1-4</sub>alkylamino, C<sub>1-4</sub>alkoxycarbonyl,  
 N-C<sub>1-4</sub>alkylcarbamoyl, N,N-di-C<sub>1-4</sub>alkylcarbamoyl, C<sub>2-4</sub>alkanoyl, C<sub>2-4</sub>alkanoylamino,  
 hydroxyC<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkoxyC<sub>1-4</sub>alkyl, carboxyC<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkoxycarbonylC<sub>1-4</sub>alkyl,  
 carbamoylC<sub>1-4</sub>alkyl, N-C<sub>1-4</sub>alkylcarbamoylC<sub>1-4</sub>alkyl, N,N-di-C<sub>1-4</sub>alkylcarbamoylC<sub>1-4</sub>alkyl,  
 phenyl, heteroaryl, phenoxy, phenylthio, phenylsulphinyl, phenylsulphonyl, benzyl,  
 benzoyl, heteroaryloxy, heteroarylthio, heteroarylsulphinyl and heteroarylsulphonyl,  
 and wherein said heteroaryl substituent or the heteroaryl group in a heteroaryl-containing  
 substituent is a 5- or 6-membered monocyclic heteroaryl ring containing up to 3  
 heteroatoms selected from nitrogen, oxygen and sulphur,  
 and wherein said phenyl, heteroaryl, phenoxy, phenylthio, phenylsulphinyl,  
 phenylsulphonyl, heteroaryloxy, heteroarylthio, heteroarylsulphinyl,  
 heteroarylsulphonyl, benzyl or benzoyl substituent optionally bears 1, 2 or 3 substituents  
 selected from halo, trifluoromethyl, cyano, hydroxy, amino, nitro, carboxy, carbamoyl,  
 C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkylamino, di-C<sub>1-4</sub>alkylamino, C<sub>1-4</sub>alkoxycarbonyl, N--  
 C<sub>1-4</sub>alkylcarbamoyl, N,N-di-C<sub>1-4</sub>alkylcarbamoyl and C<sub>2-4</sub>alkanoylamino;  
~~and or a pharmaceutically acceptable salt salts thereof.~~

Claim 2 (**original**): A compound of formula (I) according to claim 1 wherein A is a  
 pyridyl, pyrimidinyl or pyridazinyl ring.

Claim 3 (**original**): A compound of formula (I) according to claim 2 wherein A is 4-pyrimidinyl or 4-pyridyl.

Claim 4 (**currently amended**): A compound of formula (I) according to claim 1 ~~any one of claims 1 to 3~~ wherein B is paraphenylene.

Claim 5 (**currently amended**): A compound of formula (I) according to claim 1 ~~any one of claims 1 to 4~~ wherein the ring formed by T<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, T<sup>2</sup> and L is 1,4-piperazinediyl.

Claim 6 (**currently amended**): A compound of formula (I) according to claim 1 ~~any one of claims 1 to 5~~ wherein X<sup>1</sup> is CO.

Claim 7 (**currently amended**): A compound of formula (I) according to claim 1 ~~any one of claims 1 to 6~~ wherein X<sup>2</sup> is SO<sub>2</sub>.

Claim 8 (**currently amended**): A compound of formula (I), according to ~~as defined in~~ claim 1, wherein

A is pyridyl, pyrimidinyl, or pyridazinyl;

B is para-phenylene;

X<sup>1</sup> is CO, SO<sub>2</sub> or CH<sub>2</sub>;

-T<sup>1</sup>(R<sup>2</sup>)-L<sup>1</sup>-T<sup>2</sup>(R<sup>3</sup>)- forms a piperazine ring;

~~T<sup>1</sup> and T<sup>2</sup> are both N;~~

~~L<sup>1</sup> is ethylene or propylene;~~

~~R<sup>2</sup> and R<sup>3</sup> are joined to form an ethylene or propylene or methylenecarbonyl group;~~

X<sup>2</sup> is SO<sub>2</sub>;

Q is styryl or naphthyl optionally substituted by fluoro, chloro or bromo or is phenyl optionally substituted by fluorophenyl, chlorophenyl, or bromophenyl;

~~and or~~ a pharmaceutically-acceptable salt salts thereof.

Claims 9-10 (**cancelled**).

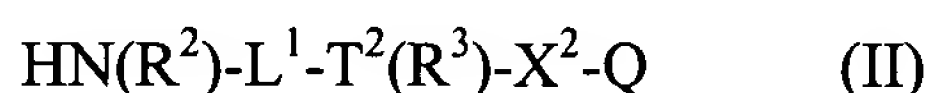
Claim 11 (**currently amended**): A pharmaceutical formulation comprising a compound of formula (I) according to any one of claims 1 to 8-9 and a pharmaceutically-acceptable diluent or carrier.

Claims 12 (**cancelled**).

Claim 13 (**currently amended**): A method of preventing or treating a Factor Xa mediated disease or medical condition comprising administering to a patient a pharmaceutically effective amount of a compound of formula (I), as defined in any one of claims 1 to 8-9.

Claim 14 (**currently amended**): A process for preparing a compound of formula (I), are defined in claim 1, comprising:

- (a) for the production of those compounds of the formula (I) wherein  $T^1$  is N and  $X^1$  is CO, the reaction, conveniently in the presence of a suitable base, of an amine of formula (II)

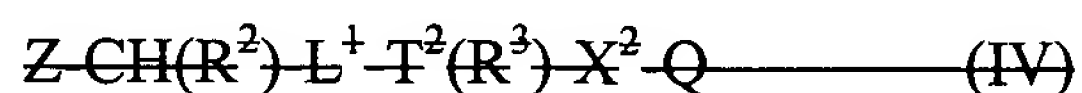


with an acid of the formula (III)

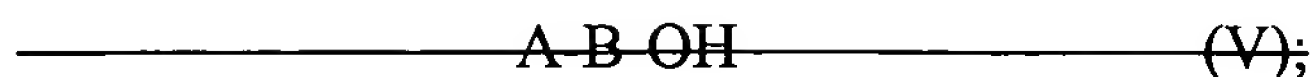


or a reactive derivative thereof;

~~(b) — for the production of those compounds of the formula (I) wherein  $T^1$  is CH and  $X^1$  is O by the reaction, conveniently in the presence of a suitable coupling agent, of a compound of the formula (IV):~~



~~wherein Z is a displaceable group, with a phenolic compound of the formula (V):~~

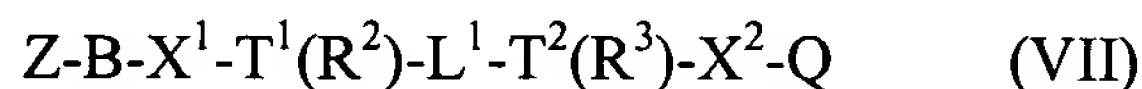


- (c) for the production of those compounds of the formula (I) wherein  $T^1$  is N and  $X^1$  is  $\text{CH}(\text{R}^4)$ , the reductive amination of a keto compound of the formula (VI):



wherein  $\text{R}^4$  is hydrogen or  $\text{C}_{1-4}$  alkyl, with an amine of the formula (II) as defined above;

- (d) the reaction of a compound of the formula (VII):



wherein Z is a displaceable group with an activated derivative of ring A;

- (e) by forming A ring on compounds of formula (VII), wherein Z is a functional group capable of cyclisation;

- (f) for the production of compounds wherein  $T^2$  is N, the reaction of a compound of the formula (VIII):

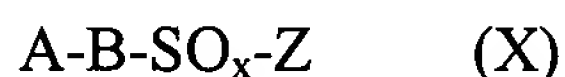


with a compound of the formula (IX):



wherein Z is a displaceable group;

- (g) for the production of compounds wherein  $T^1$  is N and  $X^1$  is SO or  $SO_2$ , the reaction of a compound of the formula (II) as defined above with a compound of the formula (X):



wherein x is one or two and Z is a displaceable group;

- (h) for production of compounds of formula (I) by coupling  $T^2$  to Q and thus preparing the  $-T^2-X^2-Q$  moiety, methods analogous to those described in process variants (a), (c) and (g) for preparing the  $B-X^1-T^1$ - moiety may be employed;

- (i) for the production of compounds of formula (I) wherein  $X^1$  is a group of the formula SO,  $SO_2$ , wherein B bears a  $C_{1-4}$ alkylsulphinyl,  $C_{1-4}$ alkylsulphonyl, 1-oxothiomorpholino or 1,1-dioxothiomorpholino group, wherein  $X^2$  is a group of the formula SO or  $SO_2$ , wherein Q bears a  $C_{1-4}$ alkylsulphinyl,  $C_{1-4}$ alkylsulphonyl, phenylsulphinyl, phenylsulphonyl, heteroarylsulphinyl or heteroarylsulphonyl group, the oxidation of the corresponding compound of the formula (I) which contains  $X^1$  as a thio group.